

IN THE CLAIMS:

Please amend the claims, and add new claims 155 to 157 as follows:

1.-110. (Cancelled)

111. (Currently Amended) A purified antibody or antigen binding fragment thereof, comprising a light chain (V_L) variable region sequence and a heavy chain (V_H) variable region sequence, wherein the light chain (V_L) variable region sequence comprises amino acids 26-34, 52-58 and 97-103 of SEQ ID NO:5, or wherein the heavy chain (V_H) variable region sequence comprises amino acids 11-18, 36-43, and 82-100 of SEQ ID NO:7, and wherein said antibody or said antigen binding fragment specifically binds to an epitope of a polypeptide having an approximate molecular weight of 115 kDa using sodium dodecyl sulfate polyacrylamide gel electrophoresis, wherein said polypeptide is expressed by ASPC-1 (ATCC Accession No. CRL-1682) or BXPC-3 (ATCC Accession No. CRL-1687) cells and wherein PM-2 antibody produced by a cell line deposited as DSM ACC2600 specifically binds to said epitope of the polypeptide having an approximate molecular weight of 115 kD expressed by ASPC-1 (ATCC Accession No. CRL-1682) or BXPC-3 (ATCC Accession No. CRL-1687) cell.

112. (Currently Amended) The purified antibody or antigen binding fragment thereof of claim 111, wherein said antibody or said antigen binding fragment comprises light chain (V_L) variable region sequence comprises amino acids 26-34, 52-58 and 97-103 of SEQ ID NO:5 a sequence at least 90% identical to the sequence of SEQ ID NO:5 or comprises a sequence at least 90% identical to the sequence of SEQ ID NO:7.

113. (Currently Amended) The purified antibody or antigen binding fragment thereof of claim 111, wherein said antibody or said antigen binding fragment comprises heavy chain (V_H) variable region sequence comprises amino acids 11-18, 36-43, and 82-100 of SEQ ID NO:7 a sequence at least 95% identical to the sequence of SEQ ID NO:5 or comprises a sequence at least 90% identical to the sequence of SEQ ID NO:7.

114. (Currently Amended) The purified antibody or antigen binding fragment thereof of claim 111 or 155, wherein said antibody or said antigen binding fragment light

chain (V_L) variable region sequence comprises a sequence at least 90% identical to the sequence of SEQ ID NO:5 or comprises a sequence at least 95% identical to the sequence of SEQ ID NO:7.

115. (Currently Amended) The purified antibody or antigen binding fragment thereof of claim 111 or 155, wherein said ~~antibody or antigen binding fragment thereof is at least 98% identical to the full length of sequence~~ SEQ ID NO:5 or heavy chain (V_H) variable region sequence comprises SEQ ID NO:7.

116. (Currently Amended) The purified antibody or antigen binding fragment thereof of claim 111 or 155, wherein said antibody or said antigen binding fragment is a monoclonal antibody comprises a sequence at least 95% identical to SEQ ID NO:5 or comprises a sequence at least 95% identical to SEQ ID NO:7.

117.-119. (Cancelled)

120. (Currently Amended) The purified antibody or antigen binding fragment thereof of claim 111 or 155, wherein said antibody or said antigen binding fragment is a human monoclonal antibody comprises SEQ ID NO:5 and SEQ ID NO:7 with a conservative amino acid substitution in either SEQ ID NO:5 or SEQ ID NO:7.

121. (Currently Amended) The purified antibody or antigen binding fragment thereof of claim 111, wherein said antigen binding fragment comprises a ~~fragment that includes~~ light chain (V_L) variable region sequence comprising amino acids 26-34, 52-58 and 97-103 of SEQ ID NO:5, and ~~includes a~~ heavy chain (V_H) variable region sequence comprising amino acids 11-18, 36-43, and 82-100 of SEQ ID NO:7.

122. (Currently Amended) The purified antibody or antigen binding fragment thereof of claim 111, wherein said antigen binding fragment comprises a ~~fragment that includes~~ light chain (V_L) variable region sequence comprising amino acids 26-34, 52-58 and 97-103 of SEQ ID NO:5, or ~~that includes a~~ heavy chain (V_H) variable region sequence comprising amino acids 11-18, 36-43, and 82-100 of SEQ ID NO:7.

123. (Currently Amended) The purified antibody or antigen binding fragment thereof of claim 111 or 155, wherein said antibody or antigen binding fragment thereof comprises the amino acid sequence of SEQ ID NO:5 or SEQ ID NO:7.

124. (Currently Amended) The purified antibody or antigen binding fragment thereof of claim 111 or 155, wherein said antigen binding fragment is selected from the group consisting of Fv, Fab, Fab', and F(ab')₂.

125. (Currently Amended) The purified antibody or antigen binding fragment thereof of claim 111 or 155, wherein said antibody or said antigen binding fragment is linked or conjugated to a detectable agent.

126. (Currently Amended) The purified antibody or antigen binding fragment thereof of claim 111 or 155, wherein said antibody or antigen binding fragment thereof specifically binds to a stomach adenocarcinoma, colorectal adenocarcinoma, squamous cell lung carcinoma, lung adenocarcinoma, squamous cell carcinoma of the esophagus, adenocarcinoma of the pancreas, urothel carcinoma of the urinary bladder, renal cell carcinoma of the kidney, adenocarcinoma of the prostate, ductal carcinoma of the breast, lobular carcinoma of the breast, adenocarcinoma of the ovary, adenocarcinoma of the endometrium, or adenocarcinoma of the uterus cell.

127. (Currently Amended) The purified antibody or antigen binding fragment thereof of claim 111 or 155, wherein said antibody or antigen binding fragment thereof specifically binds to and inhibits proliferation of adenocarcinoma cells of the pancreas in vitro.

128. (Currently Amended) The purified antibody or antigen binding fragment thereof of claim 111 or 155, wherein said antibody or antigen binding fragment thereof inhibits proliferation of BXPc-3 (ATCC Accession No. CRL-1687) cells.

129. (Currently Amended) The purified antibody or antigen binding fragment thereof of claim 111 or 155, wherein said antibody or antigen binding fragment thereof induces apoptosis of BXPC-3 (ATCC Accession No. CRL-1687) cells.

130. (Currently Amended) The purified antibody or antigen binding fragment thereof of claim 111 or 155, wherein said antibody or antigen binding fragment thereof specifically binds to CACO-2 cell line (ATCC Accession No. HBT-37), COLO-320 cell line (DSMZ Accession No. ACC 144), or COLO-206F cell line (DSMZ Accession No. ACC 21).

131.-132. (Cancelled)

133. (Previously Presented) A purified antibody or antigen binding fragment thereof, comprising the amino acid sequence of SEQ ID NO:5 and SEQ ID NO:7.

134. (Previously Presented) An antibody produced by the PM-2 cell line having DSMZ Accession No. DSM ACC2600.

135.-154. (Cancelled)

155. (New) A purified antibody or antigen binding fragment thereof comprising a light chain (V_L) variable region sequence and a heavy chain (V_H) variable region sequence, wherein the light chain (V_L) variable region sequence comprises amino acids 26-34, 52-58 and 97-103 of SEQ ID NO:5, and wherein the heavy chain (V_H) variable region sequence comprises amino acids 11-18, 36-43, and 82-100 of SEQ ID NO:7.

156. (New) A purified or isolated cell that expresses the antibody or antigen binding fragment of claim 111 or 155.

157. (New) The purified or isolated cell of claim 156, wherein said cell is a hybridoma.